# Assignment 18

#### 1. Create a zoo.py file first. Define the hours() function, which prints the string 'Open 9-5 daily'. Then, use the interactive interpreter to import the zoo module and call its hours() function.

**Answer:**

!type zoo.py

def hours():  
 print("Open 9-5 daily")

import zoo  
zoo.hours()

Open 9-5 daily

#### 2. In the interactive interpreter, import the zoo module as menagerie and call its hours() function.

**Answer:**

import zoo as menagerie  
menagerie.hours()

Open 9-5 daily

#### 3. Using the interpreter, explicitly import and call the hours() function from zoo.

**Answer:**

from zoo import hours  
hours()

Open 9-5 daily

#### 4. Import the hours() function as info and call it.

**Answer:**

from zoo import hours as info  
info()

Open 9-5 daily

#### 5. Create a plain dictionary with the key-value pairs 'a': 1, 'b': 2, and 'c': 3, and print it out.

**Answer:**

plain\_dict = {'a':1,'b':2,'c':3}  
print(plain\_dict)

{'a': 1, 'b': 2, 'c': 3}

#### 6.Make an OrderedDict called fancy from the same pairs listed in 5 and print it. Did it print in the same order as plain?

**Answer:**

from collections import OrderedDict  
fancy = OrderedDict(plain\_dict)  
print(f'plain\_dict -> {plain\_dict}')  
print(f'fancy -> {fancy}')

plain\_dict -> {'a': 1, 'b': 2, 'c': 3}  
fancy -> OrderedDict([('a', 1), ('b', 2), ('c', 3)])

#### 7. Make a default dictionary called dict\_of\_lists and pass it the argument list. Make the list dict\_of\_lists['a'] and append the value 'something for a' to it in one assignment. Print dict\_of\_lists['a'].

**Answer:**

from collections import defaultdict  
dict\_of\_lists = defaultdict(list)  
dict\_of\_lists['a'].append('something for a')  
print(dict\_of\_lists['a'])

['something for a']